

**Defense Information Infrastructure (DII)**  
**Common Operating Environment (COE)**

**Software Version Description (SVD)**  
for the  
**METCAST Server Segment (MCSRVR)**  
**Release 3.1.0.1**

**4 May 1999**

**Prepared for:**  
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## Table of Contents

<b>1</b>	<b>SCOPE.....</b>	<b>1</b>
<b>1.1</b>	<b>Identification.....</b>	<b>1</b>
<b>1.2</b>	<b>System Overview .....</b>	<b>1</b>
<b>1.3</b>	<b>Product Information .....</b>	<b>1</b>
1.3.1	Product Qualification .....	1
1.3.2	Product Restrictions .....	2
1.3.3	Product Dependencies .....	2
<b>2</b>	<b>REFERENCED DOCUMENTS .....</b>	<b>3</b>
<b>2.1</b>	<b>Government Documents .....</b>	<b>3</b>
<b>2.2</b>	<b>Non-Government Documents.....</b>	<b>4</b>
<b>3</b>	<b>VERSION DESCRIPTION .....</b>	<b>5</b>
<b>3.1</b>	<b>Inventory of Materials Released .....</b>	<b>5</b>
<b>3.2</b>	<b>Inventory of Software Contents .....</b>	<b>5</b>
<b>3.3</b>	<b>Changes Installed .....</b>	<b>5</b>
<b>3.4</b>	<b>Waivers.....</b>	<b>5</b>
<b>3.5</b>	<b>Adaptation Data .....</b>	<b>5</b>
<b>3.6</b>	<b>Installation Instructions.....</b>	<b>5</b>
<b>3.7</b>	<b>Possible Problems and Known Errors .....</b>	<b>6</b>
<b>4</b>	<b>NOTES .....</b>	<b>7</b>

**4.1      Glossary of Acronyms..... 7**

**APPENDIX A    List of Executables and Environment Files ..... A-1**

**A.1    File Structure for HP-UX 10.20 Delivery..... A-1**

**APPENDIX B    Changes Installed ..... B-1**

**APPENDIX C    Known Problems and Errors ..... C-1**

# **1 SCOPE**

## **1.1 Identification**

This Software Version Description (SVD) describes the METCAST Server (MCSRVR) Segment of the METCAST data distribution software, Release 3.1.0.1, developed by Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA. This software is designed to run under the Defense Information Infrastructure (DII) Common Operating Environment (COE), release 3.1 or higher. The software runs under the following hardware and operating systems:

- Sun Enterprise 250 or higher computer running the Sun Solaris operating system, release 2.5.1 or higher.
- Tactical Advanced Computer, TAC-3 (HP 750/755)/TAC-4 (HP J210), or HP K570 or higher running the HP-UX operating system, release 10.20 or higher.

This release provides the DII COE segment for HP-UX 10.20 only. The DII COE release for Sun Solaris will be provided at a later date. This document deals only with the DII COE HP-UX segment.

This document has been developed in accordance with the *DII COE Developer Documentation Requirements, Version 2.0*.

## **1.2 System Overview**

METCAST is a standards-based, request-reply and subscription (channel) system for distributing weather information over the Internet using Hyper-Text Transfer Protocol (HTTP) and Multipurpose Internet Mail Extensions (MIME). The METCAST Server Segment is responsible for processing requests for data from METCAST Clients, interfacing with a database to attempt to satisfy each request, and formatting the retrieved data as specified in the request before returning the data to the client. The METCAST Client comprises a separate segment.

## **1.3 Product Information**

### **1.3.1 Product Qualification**

Test and Evaluation (T&E) of the software were performed at Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA, prior to delivery of the software.

### **1.3.2 Product Restrictions**

Intellectual property rights to deliverables defined in this document are covered by the copyright license under the clause in DFARS 252.227-7013 (Nov. 1995).

### **1.3.3 Product Dependencies**

The METCAST Server segment interfaces with the Tactical Environmental Data Server (TEDS), Release 4.1 or higher, to retrieve gridded and observation data. The following TEDS segments must be installed before METCAST Server is installed:

- MAGRID – Grid Field Data API Segment
- MDGRID – Grid Field Data Database Segment
- MALLT – Latitude-Longitude-Time Observation API Segment
- MDLLT – Latitude-Longitude-Time Observation Database Segment
- MAIMG – METOC Imagery Data API Segment
- MDIMG – METOC Imagery Database Segment

Installation procedures for these segments are listed in Section 2. Note that TEDS also requires installation of Informix on the server.

The full METCAST Server installation requires three segments: MDCHNL (the METOC Channels segment), MDMETC (the observation database segment) and MCSRVR (METCAST Server itself). **These segments must be installed in the following order:**

1. MDCHNL
2. MDMETC (**NOTE:** This segment requires a later version of the Informix On-Line Dynamic Server (INFXOL) segment than do MDCHNL and MCSRVR. If INFXOL **1.0.2.0**/Informix On-Line Dynamic Server **7.30** is not present on the system, this segment should not be installed. MCSRVR can still be installed, but will not have access to observations.)
3. MCSRVR (must be installed last, but requires MDMETC only if observations are to be processed).

## **2 REFERENCED DOCUMENTS**

### **2.1 Government Documents**

DDR-2 23 January 1998	<i>Defense Information Infrastructure (DII) Common Operating Environment (COE) Developer Documentation Requirements, Version 2.0</i> , Defense Information Systems Agency, Joint Operability and Engineering Organization
Unnumbered 15 June 1998	<i>Software Requirements Specification for METCAST</i> , Space and Naval Warfare Systems Command, Environmental Systems Program Office (SPAWAR PMW-185), San Diego, CA
fnmoc_MCSRVR_IP_31Series 23 April 1999	<i>Installation Procedures (IP) for the METCAST Server (MCSRVR) Segment, Release 3.1</i>
fnmoc_MDCHNL_IP_11Series 23 April 1999	<i>Installation Procedures (IP) for the METOC Channels (MDCHNL) Segment, Release 1.1</i>
fnmoc_MDCHNL_SVD_1100 23 April 1999	<i>Software Version Description (SVD) for the METOC Channels (MDCHNL) Segment, Release 1.1.0.0</i>
fnmoc_MDMETC_IP_11Series 23 April 1999	<i>Installation Procedures (IP) for the METOC Observations Database (MDMETC) Segment, Release 1.1</i>
fnmoc_MDMETC_SVD_1100 23 April 1999	<i>Software Version Description (SVD) for the METOC Observations Database (MDMETC) Segment, Release 1.1.0.0</i>
fnmoc_METCAST_IP_11Series 23 April 1999	<i>Installation Procedures (IP) for the METCAST Client Segment, release 1.1</i>
fnmoc_METCAST_UM_1100 23 April 1999	<i>User Manual (UM) for the METCAST Client Segment, release 1.1</i>
fnmoc_METCAST_SVD_1100 23 April 1999	<i>Software Version Description (SVD) for the METCAST Client Segment, Release 1.1.0.0</i>

ipd4400magridipTES-10 29 January 1999	<i>Installation Procedures (IP) for the Grid Field Application Program Interface (API) Segment (MAGRID) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>
ipd4400mdgridipTES-10 29 January 1999	<i>Installation Procedures (IP) for the Grid Field Database Segment (MDGRID) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>
ipd4200malltipTES-10 9 October 1998	<i>Installation Procedures (IP) for the Latitude-Longitude-Time (LLT) Observations Application Program Interface (API) Segment (MALLT) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>
ipd4300mdlltipTES-10 9 October 1999	<i>Installation Procedures (IP) for the Latitude-Longitude-Time (LLT) Observations Database Segment (MDLLT) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>
ipd4200maimgiptes-10 9 October 1998	<i>Installation Procedures (IP) for the METOC Imagery Application Program Interface (API) Segment (MAIMG) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>
ipd4400mdgridipTES-10 9 October 1999	<i>Installation Procedures (IP) for the METOC Imagery Database Segment (MDIMG) of the Tactical Environmental Support System (Next Century) [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i>

## **2.2 Non-Government Documents**

None.

## **3 VERSION DESCRIPTION**

### **3.1 Inventory of Materials Released**

All physical media and associated documentation for the METCAST Server Segment are listed below.

- METCAST Server Segment v3.1.0.1 Installation tape (4mm DAT tape) for HP TAC-3/TAC-4/K570 computer running DII COE 3.1 or higher and the HP-UX 10.20 operating system or Sun Enterprise 250 or higher computer running DII COE 3.1 or higher and the Sun Solaris operating system, release 2.5.1 or higher.
- METCAST Server Segment v 3.1 Series Installation Procedures (IP), Revision A, dated 4 May 1999
- METCAST Server Segment v 3.1.0.1 Software Version Description (SVD), dated 4 May 1999

### **3.2 Inventory of Software Contents**

A listing of all executables and environment files delivered is contained in Appendix A of this document.

### **3.3 Changes Installed**

A listing of all executables and environment files delivered is contained in Appendix B of this document..

### **3.4 Waivers**

There are no waivers associated with this software.

### **3.5 Adaptation Data**

There are no site-specific data for the METCAST Server segment.

### **3.6 Installation Instructions**

The METCAST Server Segment v3.1 Series Installation Procedures (IP) referenced in Section 2 of this document provide comprehensive installation instructions for the METCAST Server Segment. The fully installed segment occupies approximately 200 MB of disk space. The

software requires a minimum of 8 MB of RAM, with 16 MB recommended (above the operating system requirements).

### **3.7 Possible Problems and Known Errors**

Known problems and errors with METCAST Server software are listed in Appendix C of this document.

## **4 NOTES**

### **4.1 Glossary of Acronyms**

COE	Common Operating Environment
DII	Defense Information Infrastructure
FNMOC	Fleet Numerical Meteorology and Oceanography Center
GUI	Graphical User Interface
HTTP	Hyper-Text Transfer Protocol
IP	Installation Procedure
IP	Internet Protocol
METCAST	METOC Broadcast
METOC	Meteorological and Oceanographic
MIME	Multipurpose Internet Mail Extensions
PC	Personal Computer
SRS	Software Requirements Specification
SVD	Software Version Description
T&E	Test and Evaluation
TCP	Transport Control Protocol
UM	User Manual

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## APPENDIX A List of Executables and Environment Files

### A.1 File Structure for HP-UX 10.20 Delivery

```
/h/MCSRVR/
total 12
drwxrwxrwx    6 root      other        1024 May  4 21:18 .
drwxr-xr-x   41 root      COE         1024 May  4 21:18 ..
drwxrwxr-x    2 sysadmin  other        1024 May  4 21:18 Scripts
drwxrwxr-x    2 sysadmin  other        1024 May  4 21:18 SegDescrip
drwxrwxr-x    2 sysadmin  other        1024 May  4 21:18 bin
drwxrwxr-x    7 sysadmin  other        1024 May  4 21:18 data

/h/MCSRVR/Scripts:
total 76
drwxrwxr-x    2 sysadmin  other        1024 May  4 21:18 .
drwxrwxrwx    6 root      other        1024 May  4 21:18 ..
-rwxr-xr-x    1 sysadmin  other       1117 May  3 21:07 CreateListOfProducts
-rwxr-xr-x    1 sysadmin  other       40 May   3 21:07 Listall
-rwxr-xr-x    1 sysadmin  other      1513 May  3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other       179 May   3 21:07 MCSRVRGribStart
-rwxr-xr-x    1 sysadmin  other      232 May   3 21:07 MCSRVRCron
-rwxr-xr-x    1 sysadmin  other       179 May   3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other      446 May   3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other       55 May   3 21:07 MCSRVRCron
-rwxr-xr-x    1 sysadmin  other      521 May   3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other       197 May   3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other       70 May   3 21:07 MCSRVRCleanLog
-rwxr-xr-x    1 sysadmin  other      1732 May  3 21:07 Stdin
-rwxr-xr-x    1 sysadmin  other     1552 May  3 21:07 add_header.sh
-rwxr-xr-x    1 sysadmin  other      247 May   3 21:07 dpl_env
-rwxr-xr-x    1 sysadmin  other      619 May   3 21:07 gr_env
-rwxr-xr-x    1 sysadmin  other      620 May   3 21:07 gr_env.ks
-rwxr-xr-x    1 sysadmin  other       79 May   3 21:07 gr_index
-rwxr-xr-x    1 sysadmin  other      587 May   3 21:07 im_env
-rwxr-xr-x    1 sysadmin  other      190 May   3 21:07 im_index
-rwxr-xr-x    1 sysadmin  other      620 May   3 21:07 im_insert_d
-rwxr-xr-x    1 sysadmin  other      162 May   3 21:07 im_purge
-rwxr-xr-x    1 sysadmin  other      212 May   3 21:07 im_retriever
-rwxr-xr-x    1 sysadmin  other      172 May   3 21:07 im_start_decoder
-rwxr-xr-x    1 sysadmin  other      556 May   3 21:07 plist
-rwxr-xr-x    1 sysadmin  other     1398 May  3 21:07 productlist.dtd
-rwxr-xr-x    1 sysadmin  other      84 May   3 21:07 prune_grid
-rwxr-xr-x    1 sysadmin  other      42 May   3 22:19 prune_image
-rwxr-xr-x    1 sysadmin  other      292 May   3 21:07 publish_plist
-rwxr-xr-x    1 sysadmin  other     1498 May  3 21:07 runNoddsHost
-rwxr-xr-x    1 sysadmin  other      198 May   3 21:07 w-shove.conf

/h/MCSRVR/SegDescrip:
total 36
drwxrwxr-x    2 sysadmin  other        1024 May  4 21:18 .
drwxrwxrwx    6 root      other        1024 May  4 21:18 ..
-rwxr-xr-x    1 sysadmin  other       362 Apr  21 17:15 DEINSTALL
-rwxr-xr-x    1 sysadmin  other      3965 May  4 21:01 FileAttrs
-rw-rw-rw-    1 root      other      126 May   4 21:18 Installed
-rwxr-xr-x    1 sysadmin  other     2426 May  3 21:23 PostInstall
```

# **fmnoc\_MCSRVR\_SVD\_3101**

---

-rwxr-xr-x	1	sysadmin	other	1136	May	4	17:06	ReleaseNotes
-rwxr-xr-x	1	sysadmin	other	1291	Apr	29	01:01	SegInfo
-rwxr-xr-x	1	sysadmin	other	648	Apr	20	18:12	SegName
-rwxr-xr-x	1	sysadmin	other	192	May	4	17:05	VERSION
-rw-rw-rw-	1	sysadmin	other	113	May	4	21:02	Validated
 /h/MCSRVR/bin:								
total 9536								
drwxrwxr-x	2	sysadmin	other	1024	May	4	21:18	.
drwxrwxrwx	6	root	other	1024	May	4	21:18	..
-rwxrwxr-x	1	sysadmin	other	129728	Apr	22	21:49	ChangeTeds
-rwxr-xr-x	1	sysadmin	other	173640	Apr	22	00:10	Ingest3D
-rwxr-xr-x	1	sysadmin	other	213788	Apr	22	00:10	IngestIEEE
-rwxr-xr-x	1	sysadmin	other	41040	Apr	20	18:12	MCSRVRImageIndex
-rwxr-xr-x	1	sysadmin	other	65651	Apr	22	21:00	MCSRVRImageIngest
-rwxr-xr-x	1	sysadmin	other	36943	Apr	20	18:12	MCSRVRImagePurge
-rwxr-xr-x	1	sysadmin	other	49245	Apr	22	21:00	MCSRVRImageRetriever
-rwxr-xr-x	1	sysadmin	other	40999	Apr	20	18:12	MCSRVRImageStatus
-rwxr-xr-x	1	sysadmin	other	266764	May	4	15:34	NewXml
-rwxr-xr-x	1	sysadmin	other	104356	Apr	22	00:10	ParsePack
-rwxr-xr-x	1	sysadmin	other	129556	Apr	22	00:10	deleteGrids
-rwxr-xr-x	1	sysadmin	other	75	Apr	20	18:12	gr_extract
-rwxr-xr-x	1	sysadmin	other	268716	Apr	22	00:10	gribdec
-rwxr-xr-x	1	sysadmin	other	221092	May	3	21:30	grid_extract
-rwxr-xr-x	1	sysadmin	other	1373048	Apr	20	18:12	gsi
-rwxr-xr-x	1	sysadmin	other	288030	Apr	21	20:20	make-credential
-rwxr-xr-x	1	sysadmin	other	302392	Apr	22	00:10	nodds_host
-rwxr-xr-x	1	sysadmin	other	614400	Apr	20	18:12	perl
-rwxr-xr-x	1	sysadmin	other	85776	Apr	22	00:10	start_dec
-rwxr-xr-x	1	sysadmin	other	320874	Apr	20	18:12	w-shove
 /h/MCSRVR/data:								
total 48								
drwxrwxr-x	7	sysadmin	other	1024	May	4	21:18	.
drwxrwxrwx	6	root	other	1024	May	4	21:18	..
-rwxr-xr-x	1	sysadmin	other	9795	Apr	22	00:11	DefToGRIB
-rwxr-xr-x	1	sysadmin	other	119	Apr	22	00:11	FlapsToGRIB
-rwxr-xr-x	1	sysadmin	other	3956	Apr	22	00:11	GribParms.txt
drwxr-xr-x	2	sysadmin	other	1024	May	4	21:18	Icons
drwxr-xr-x	2	sysadmin	other	1024	May	4	21:18	Menus
drwxr-xr-x	3	sysadmin	other	1024	May	4	21:18	cgi-bin
-rwxr-xr-x	1	sysadmin	other	235	May	4	01:02	cron.default
drwxrwxr-x	2	sysadmin	other	1024	May	4	21:18	etc
-rwxr-xr-x	1	sysadmin	other	818	Apr	22	00:11	jmv.txt
drwxr-xr-x	4	sysadmin	other	1024	May	4	21:18	test_data
 /h/MCSRVR/data/Icons:								
total 6								
drwxr-xr-x	2	sysadmin	other	1024	May	4	21:18	.
drwxrwxr-x	7	sysadmin	other	1024	May	4	21:18	..
-rwxr-xr-x	1	sysadmin	other	553	May	3	22:20	MCSRVRIcons
 /h/MCSRVR/data/Menus:								
total 6								
drwxr-xr-x	2	sysadmin	other	1024	May	4	21:18	.
drwxrwxr-x	7	sysadmin	other	1024	May	4	21:18	..
-rwxr-xr-x	1	sysadmin	other	890	May	3	22:19	Menu.MCSRVR

```
/h/MCSRVR/data/cgi-bin:
total 1232
drwxr-xr-x  3 sysadmin  other          1024 May  4 21:18 .
drwxrwxr-x  7 sysadmin  other          1024 May  4 21:18 ..
-rwxr-xr-x  1 sysadmin  other         48360 Apr  20 18:12 AWN-decoder.scm
-rwxr-xr-x  1 sysadmin  other         41653 Apr  20 18:12 AWND-bathy.scm
-rwxr-xr-x  1 sysadmin  other         16120 Apr  20 18:12 AWND-metar.scm
-rwxr-xr-x  1 sysadmin  other         34099 Apr  20 18:12 AWND-sigmet.scm
-rwxr-xr-x  1 sysadmin  other         55821 Apr  20 18:12 AWND-synop.scm
-rwxr-xr-x  1 sysadmin  other         23742 Apr  20 18:12 AWND-taf.scm
-rwxr-xr-x  1 sysadmin  other         52862 Apr  20 18:12 AWND-uar.scm
-rwxr-xr-x  1 sysadmin  other          3271 Apr  20 18:12 JMV-util.scm
-rwxr-xr-x  1 sysadmin  other          6890 Apr  20 23:39 MORIAH-vtaker
-rwxr-xr-x  1 sysadmin  other          9105 Apr  20 18:12 NODDS-server
-rwxr-xr-x  1 sysadmin  other          5428 Apr  20 18:12 TC-taker.sh
-rwxr-xr-x  1 sysadmin  other          7722 Apr  21 18:34 TC-vtaker
-rwxr-xr-x  1 sysadmin  other          8923 Apr  20 18:12 TH-taker
-rwxr-xr-x  1 sysadmin  other          9002 Apr  20 18:12 TH-taker.pl
-rwxr-xr-x  1 sysadmin  other          5652 Apr  20 18:12 TH-taker.sh
-rwxr-xr-x  1 sysadmin  other         19199 Apr  20 18:12 bathy.scm
-rwxr-xr-x  1 sysadmin  other          1322 Apr  20 18:12 catch-error.scm
-rwxr-xr-x  1 sysadmin  other         12603 Apr  21 18:28 db-util.scm
-rwxr-xr-x  1 sysadmin  other          7280 Apr  20 23:44 export-CDF
-rwxr-xr-x  1 sysadmin  other         10558 Apr  20 18:12 fill-mslib.scm
-rwxr-xr-x  1 sysadmin  other         23680 Apr  20 18:12 grid-serve.scm
-rwxr-xr-x  1 sysadmin  other          2962 Apr  20 18:12 helper
-rwxr-xr-x  1 sysadmin  other         16931 Apr  20 23:46 jmv-server-log.scm
-rwxr-xr-x  1 sysadmin  other          384 Apr  20 23:48 jmv-server-log.sh
-rwxr-xr-x  1 sysadmin  other         1917 Apr  20 18:12 land.scm
lrwxrwxrwx  1 root     other          24 May  4 21:18 logs ->

h/data/local//h/MCSRVR/log
-rwxr-xr-x  1 sysadmin  other         12220 Apr  20 18:12 metar.scm
-rwxr-xr-x  1 sysadmin  other          4683 Apr  20 18:12 misc-serve.scm
-rwxr-xr-x  1 sysadmin  other          4436 Apr  20 18:12 myenv.scm
drwxr-xr-x  2 sysadmin  other          1024 May  4 21:18 rest
-rwxr-xr-x  1 sysadmin  other          6593 May  3 22:53 sat-serve.scm
-rwxr-xr-x  1 sysadmin  other         26352 Apr  20 18:12 server
-rwxr-xr-x  1 sysadmin  other          10555 Apr  20 18:12 sigmet.scm
-rwxr-xr-x  1 sysadmin  other          25433 Apr  22 17:47 subscribe
-rwxr-xr-x  1 sysadmin  other          11300 Apr  20 18:12 synop-sea.scm
-rwxr-xr-x  1 sysadmin  other          13116 Apr  20 18:12 taf.scm
-rwxr-xr-x  1 sysadmin  other          24343 Apr  20 23:51 taker
-rwxr-xr-x  1 sysadmin  other          3560 Apr  20 23:52 taker-cgi-proxy
-rwxr-xr-x  1 sysadmin  other          6941 Apr  22 20:45 things.scm
-rwxr-xr-x  1 sysadmin  other         19729 Apr  20 18:12 uar.scm
-rwxr-xr-x  1 sysadmin  other          4763 Apr  20 18:12 vdbaccess.scm
-rwxr-xr-x  1 sysadmin  other          7489 Apr  20 18:12 watch-tc-warnings

/h/MCSRVR/data/cgi-bin/rest:
total 24
drwxr-xr-x  2 sysadmin  other          1024 May  4 21:18 .
drwxr-xr-x  3 sysadmin  other          1024 May  4 21:18 ..
-r-xr-x---  1 APACHE   APACHE         322 Apr  21 19:51 .htaccess
lrwxrwxrwx  1 root     other          36 May  4 21:18 MORIAH-vtaker ->
/h/MCSRVR/data/cgi-bin/MORIAH-vtaker
lrwxrwxrwx  1 root     other          32 May  4 21:18 TC-vtaker ->
/h/MCSRVR/data/cgi-bin/TC-vtaker
```

# **fmnmc\_MCSRVR\_SVD\_3101**

---

```
lrwxrwxrwx  1 root      other          34 May  4 21:18 db-util.scm ->
/h/MCSRVR/data/cgi-bin/db-util.scm
lrwxrwxrwx  1 root      other          33 May  4 21:18 export-CDF ->
/h/MCSRVR/data/cgi-bin/export-CDF
-rwxr-xr-x  1 sysadmin  other          99 Apr  21 18:16 index.html
lrwxrwxrwx  1 root      other          24 May  4 21:18 logs ->
/h/data/local//h/MCSRVR/log
lrwxrwxrwx  1 root      other          32 May  4 21:18 myenv.scm ->
/h/MCSRVR/data/cgi-bin/myenv.scm
lrwxrwxrwx  1 root      other          28 May  4 21:18 taker ->
/h/MCSRVR/data/cgi-bin/taker
lrwxrwxrwx  1 root      other          38 May  4 21:18 taker-cgi-proxy ->
/h/MCSRVR/data/cgi-bin/taker-cgi-proxy

/h/MCSRVR/data/etc:
total 6
drwxrwxr-x  2 sysadmin  other          1024 May  4 21:18 .
drwxrwxr-x  7 sysadmin  other          1024 May  4 21:18 ..
-r-xr-x---  1 APACHE    APACHE         80 Apr  21 19:50 htpasswd.channels

/h/MCSRVR/data/test_data:
total 8
drwxr-xr-x  4 sysadmin  other          1024 May  4 21:18 .
drwxrwxr-x  7 sysadmin  other          1024 May  4 21:18 ..
drwxrwxr-x  2 sysadmin  other          1024 May  4 21:18 grids
drwxrwxr-x  2 sysadmin  other          1024 May  4 21:18 images

/h/MCSRVR/data/test_data/grids:
total 1428
drwxrwxr-x  2 sysadmin  other          1024 May  4 21:18 .
drwxr-xr-x  4 sysadmin  other          1024 May  4 21:18 ..
-rwxr-xr-x  1 sysadmin  other          106017 Apr  20 20:19 D001060GRB
-rwxr-xr-x  1 sysadmin  other          106017 Apr  20 20:19 F101066GRB
-rwxr-xr-x  1 sysadmin  other          122307 Apr  20 20:19 I001051GRB
-rwxr-xr-x  1 sysadmin  other          73437  Apr  20 20:19 M211018GRB
-rwxr-xr-x  1 sysadmin  other          89727  Apr  20 20:19 T211060GRB
-rwxr-xr-x  1 sysadmin  other          195613 Apr  20 20:19 Z121000GRB

/h/MCSRVR/data/test_data/images:
total 2628
drwxrwxr-x  2 sysadmin  other          1024 May  4 21:18 .
drwxr-xr-x  4 sysadmin  other          1024 May  4 21:18 ..
-rwxr-xr-x  1 sysadmin  other          240664 Apr  20 20:18 US058COM-
IMGsat.eatl_F14_IR_JMV.jif
-rwxr-xr-x  1 sysadmin  other          240632 Apr  20 20:18 US058COM-
IMGsat.pglfn_F14_VIS_JMV.jif
-rwxr-xr-x  1 sysadmin  other          264242 Apr  20 20:18 conusir.mif
-rwxr-xr-x  1 sysadmin  other          264242 Apr  20 20:18 conusvapor.mif
-rwxr-xr-x  1 sysadmin  other          264248 Apr  20 20:18 conusvis.mif

/h/data/local/MCSRVR/
total 14
drwxrwxrwx  6 sysadmin  other          1024 May  4 21:09 .
drwxrwxr-x  18 COE      COE           1024 May  4 20:56 ..
drwxrwxrwx  2 sysadmin  other          24 May   4 21:09 EXCEPTIONS
lrwxrwxrwx  1 root      other          22 May   4 21:09 cgi-bin ->
/h//h/data/local/MCSRVR/data/cgi-bin
drwxrwxrwx  5 sysadmin  other          1024 May  4 21:09 data
```

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**fnmoc\_MCSRVR\_SVD\_3101**

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```
drwxrwxrwx  2 sysadmin  other          1024 May  4 21:19 log
drwxrwxrwx  2 sysadmin  other          24 May  4 21:09 pub

/h/data/local/MCSRVR/EXCEPTIONS:
total 4
drwxrwxrwx  2 sysadmin  other          24 May  4 21:09 .
drwxrwxrwx  6 sysadmin  other          1024 May  4 21:09 ..

/h/data/local/MCSRVR/data:
total 182
drwxrwxrwx  5 sysadmin  other          1024 May  4 21:09 .
drwxrwxrwx  6 sysadmin  other          1024 May  4 21:09 ..
drwxrwxrwx  2 sysadmin  other          24 May  4 21:09 OBSV
drwxrwxrwx  2 sysadmin  other          88064 May  4 21:10 grids
drwxrwxrwx  2 sysadmin  other          1024 May  4 21:10 images
-rw-r--r--  1 oleg      div60          728 May  4 21:23 observation

/h/data/local/MCSRVR/data/OBSV:
total 4
drwxrwxrwx  2 sysadmin  other          24 May  4 21:09 .
drwxrwxrwx  5 sysadmin  other          1024 May  4 21:09 ..

/h/data/local/MCSRVR/data/grids:
total 361510
drwxrwxrwx  2 sysadmin  other          88064 May  4 21:10 .
drwxrwxrwx  5 sysadmin  other          1024 May  4 21:09 ..
-rw-r--r--  1 oleg      div60          26829 May  4 20:34 A524054GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:34 A524072GRB
-rw-r--r--  1 oleg      div60          23859 May  4 20:34 A584060GRB
-rw-r--r--  1 oleg      div60          23859 May  4 20:34 A584066GRB
-rw-r--r--  1 oleg      div60          23859 May  4 20:34 A584072GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:34 A594054GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:34 A594060GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:34 A594066GRB
-rw-r--r--  1 oleg      div60          23859 May  4 20:34 A594072GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:33 A624030GRB
-rw-r--r--  1 oleg      div60          29797 May  4 20:33 A624036GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:35 A624054GRB
-rw-r--r--  1 oleg      div60          29797 May  4 20:34 A624060GRB
-rw-r--r--  1 oleg      div60          23859 May  4 20:35 A624066GRB
-rw-r--r--  1 oleg      div60          26829 May  4 20:35 A624072GRB
-rw-r--r--  1 oleg      div60          17923 May  4 20:34 A904036GRB
-rw-r--r--  1 oleg      div60          17923 May  4 20:35 A904054GRB
-rw-r--r--  1 oleg      div60          17923 May  4 20:35 A904060GRB
-rw-r--r--  1 oleg      div60          17923 May  4 20:35 A904066GRB
-rw-r--r--  1 oleg      div60          17923 May  4 20:35 A904072GRB
-rw-r--r--  1 oleg      div60          187443 May  4 20:55 B451006GRB
-rw-r--r--  1 oleg      div60          187443 May  4 20:59 B451012GRB
-rw-r--r--  1 oleg      div60          195589 May  4 20:57 B451018GRB
-rw-r--r--  1 oleg      div60          187443 May  4 20:59 B451030GRB
-rw-r--r--  1 oleg      div60          195589 May  4 20:58 B451054GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:00 B451060GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:02 B451072GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:02 B451084GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:02 B451090GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:02 B451108GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:02 B451120GRB
-rw-r--r--  1 oleg      div60          195589 May  4 21:03 B451132GRB
```

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**fmmoc\_MCSRVR\_SVD\_3101**

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```
-rw-r--r--    1 oleg      div60      363542 May  4 20:57
us008_gf077_99050412_HxJGx
-rw-r--r--    1 oleg      div60      364834 May  4 21:00
us008_gf077_99050412_HxJHx
-rw-r--r--    1 oleg      div60      365264 May  4 20:56
us008_gf077_99050412_HxJIx
-rw-r--r--    1 oleg      div60      363110 May  4 20:57
us008_gf077_99050412_HxJJx
-rw-r--r--    1 oleg      div60      364400 May  4 20:56
us008_gf077_99050412_HxJKx
-rw-r--r--    1 oleg      div60      359240 May  4 20:55
us008_gf077_99050412_HxKBx
-rw-r--r--    1 oleg      div60      364410 May  4 20:59
us008_gf077_99050412_HxKGx
-rw-r--r--    1 oleg      div60      364408 May  4 20:54
us008_gf077_99050412_HxKKh
-rw-r--r--    1 oleg      div60      365700 May  4 20:59
us008_gf077_99050412_HxKIx
-rw-r--r--    1 oleg      div60      361828 May  4 21:01
us008_gf077_99050412_HxKJx
-rw-r--r--    1 oleg      div60      360532 May  4 21:00
us008_gf077_99050412_HxKKx
-rw-r--r--    1 oleg      div60      362678 May  4 20:57
us008_gf077_99050412_HxLBx
-rw-r--r--    1 oleg      div60      363108 May  4 20:57
us008_gf077_99050412_HxLGx
-rw-r--r--    1 oleg      div60      366128 May  4 20:58
us008_gf077_99050412_HxLHx
-rw-r--r--    1 oleg      div60      363110 May  4 20:56
us008_gf077_99050412_HxLIx
-rw-r--r--    1 oleg      div60      362246 May  4 21:01
us008_gf077_99050412_HxLJx
-rw-r--r--    1 oleg      div60      370872 May  4 21:00
us008_gf077_99050412_HxMGx
-rw-r--r--    1 oleg      div60      369150 May  4 20:54
us008_gf077_99050412_HxMHx
-rw-r--r--    1 oleg      div60      369150 May  4 20:59
us008_gf077_99050412_HxMIX
-rw-r--r--    1 oleg      div60      367858 May  4 20:57
us008_gf077_99050412_HxMJx
-rw-r--r--    1 oleg      div60      368292 May  4 20:56
us008_gf077_99050412_HxMKx
-rw-r--r--    1 oleg      div60      372598 May  4 20:59
us008_gf077_99050412_HxNBx
-rw-r--r--    1 oleg      div60      373026 May  4 20:54
us008_gf077_99050412_HxNGx
-rw-r--r--    1 oleg      div60      374322 May  4 21:00
us008_gf077_99050412_HxNHx
-rw-r--r--    1 oleg      div60      373028 May  4 20:55
us008_gf077_99050412_HxNIX
-rw-r--r--    1 oleg      div60      374320 May  4 20:56
us008_gf077_99050412_HxNJx
-rw-r--r--    1 oleg      div60      374320 May  4 21:01
us008_gf077_99050412_HxNKx
-rw-r--r--    1 oleg      div60      374316 May  4 20:56
us008_gf077_99050412_HxOGx
-rw-r--r--    1 oleg      div60      373454 May  4 20:56
us008_gf077_99050412_HxOHx
```

## fnmoc\_MCSRVR\_SVD\_3101

---

```
-rw-r--r-- 1 oleg      div60      372592 May  4 21:01
us008_gf077_99050412_HxOIx
-rw-r--r-- 1 oleg      div60      369150 May  4 20:57
us008_gf077_99050412_HxPBx
-rw-r--r-- 1 oleg      div60      372170 May  4 20:58
us008_gf077_99050412_HxPGx
-rw-r--r-- 1 oleg      div60      374320 May  4 20:59
us008_gf077_99050412_HxPHx
-rw-r--r-- 1 oleg      div60      372596 May  4 21:00
us008_gf077_99050412_HxPJx
-rw-r--r-- 1 oleg      div60      370012 May  4 20:57
us008_gf077_99050412_HxPKx
-rw-r--r-- 1 oleg      div60      353526 May  4 21:00
us008_gf081_99050412_HxIAx
-rw-r--r-- 1 oleg      div60      355242 May  4 20:57
us008_gf081_99050412_HxJAx
-rw-r--r-- 1 oleg      div60      352670 May  4 21:01
us008_gf081_99050412_HxKAx
-rw-r--r-- 1 oleg      div60      355684 May  4 21:01
us008_gf081_99050412_HxLAx
-rw-r--r-- 1 oleg      div60      363870 May  4 21:01
us008_gf081_99050412_HxMAX
-rw-r--r-- 1 oleg      div60      365168 May  4 21:02
us008_gf081_99050412_HxOAx
-rw-r--r-- 1 oleg      div60      360854 May  4 20:57
us008_gf081_99050412_HxPAX
```

/h/data/local/MCSRVR/data/images:

```
total 4132
drwxrwxrwx  2 sysadmin  other          1024 May  4 21:10 .
drwxrwxrwx  5 sysadmin  other          1024 May  4 21:09 ..
-rw-r--r--  1 oleg      div60      264390 May  4 21:09 NRLMYbayvis.mif
-rw-r--r--  1 oleg      div60      395476 May  4 21:09 NRLMYir_pacus.mif
-rw-r--r--  1 oleg      div60      395476 May  4 21:09
NRLMYvapor_pacus.mif
-rw-r--r--  1 oleg      div60      492250 May  4 21:12 med_ir.mtif
-rw-r--r--  1 oleg      div60      492250 May  4 21:10 med_vapor.mtif
```

/h/data/local/MCSRVR/log:

```
total 24
drwxrwxrwx  2 sysadmin  other          1024 May  4 21:19 .
drwxrwxrwx  6 sysadmin  other          1024 May  4 21:09 ..
-rwxrwxr-x  1 root      other          7580 May  4 21:18 jmvlog-
taker.channel-setup
-rwxr-xr-x  1 APACHE    APACHE        1965 May  4 21:19 jmvlog.UNKNOWN
```

/h/data/local/MCSRVR/pub:

```
total 4
drwxrwxrwx  2 sysadmin  other          24 May  4 21:09 .
drwxrwxrwx  6 sysadmin  other         1024 May  4 21:09 ..
```

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## **APPENDIX B Changes Installed**

This release fixes the following reported problems.

<b>SCR #</b>	<b>Title</b>
XX00001	MCSRVR does not load -- Postinstall removes directories
XX00002	MCSRVR only serves gridded data type
XX00003	Header and timestamp data lost
XX00005	MCSRVR 3.0.1.0 fails to clean up system, I&RTS App. B #5-75
XX00006	MCSRVR 3.0.1.0 hardcodes in Scripts/files, I&RTS App. B #5-47
XX00007	No developer Y2K certification yet delivered for MCSRVR
XX00009	Missing environment variables
XX00010	Complete procedures needed for creation of tempdbs
XX00011	Include makeProducts.sql and fillProducts.sql as part of install to OT146
XX00012	Include makeProducts.sql and fillProducts.sql as part of install  Problem with the startup script for the Image decoder that was preventing imagery from being decoded.  Problem retrieving Winds when one component (u or v) missing for all taus.

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## **APPENDIX C Known Problems and Errors**

There are no outstanding SCRs for the MCSRVR segment.

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